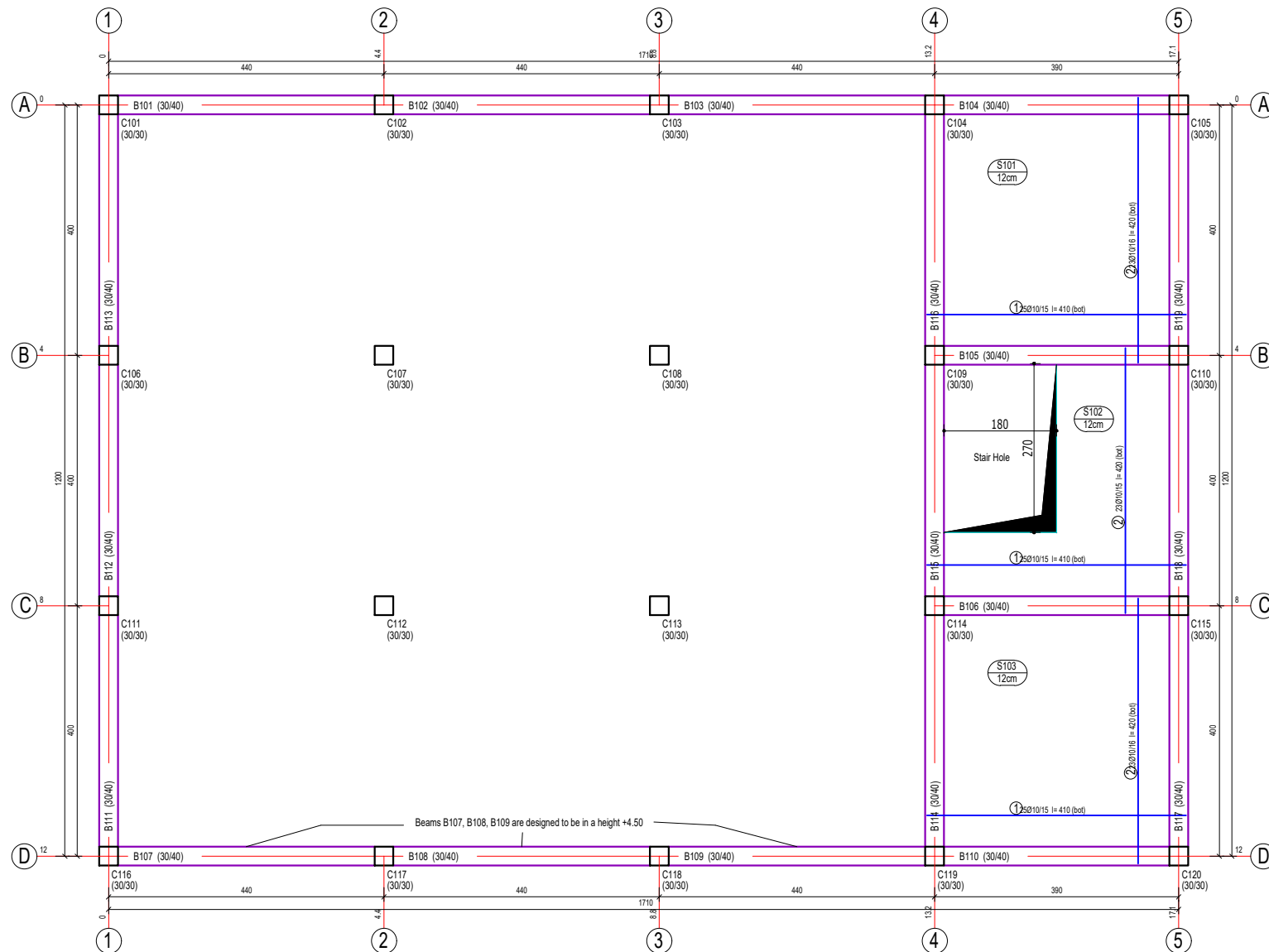


STRUCTURAL PLAN K-01



410	P108
420	P208

ITEM	MARK	DIA.	LENGTH	WEIGHT
69	P02	10	420	114.2
75	P01	10	410	121.2
				235.4

B.O.Q.

FORMWORK (m2)	: 112.82
CONCRETE(m3)	: 13.5
Ø 6-12 (kg)	: 235.4

Technical Notes:

Structural elements are calculated and designed with following characteristics:

Foundation: Foundations are designed with plinths:

- Concrete **C-25/30** ($f_{ck}=25000\text{N/mm}^2$) with safety factor $\gamma_c=1.5$
- Reinforcement **S460A** ($f_{yk}=460\text{N/mm}^2$) with safety factor $\gamma_s=1.15$

Concrete Walls & Columns: All walls & columns are designed with:

- Concrete **C-25/30** ($f_{ck}=25000\text{N/mm}^2$) with safety factor $\gamma_c=1.5$
- Reinforcement **S460A** ($f_{yk}=460\text{N/mm}^2$) with safety factor $\gamma_s=1.15$

Concrete Beams: Beams for all storeys are designed with:

- Concrete **C-25/30** ($f_{ck}=25000\text{N/mm}^2$) with safety factor $\gamma_c=1.5$
- Reinforcement **S460A** ($f_{yk}=460\text{N/mm}^2$) with safety factor $\gamma_s=1.15$

Concrete Slab: Slabs for all storeys are designed with:

- Concrete **C-25/30** ($f_{ck}=25000\text{N/mm}^2$) with safety factor $\gamma_c=1.5$
- Reinforcement **S460A** ($f_{yk}=460\text{N/mm}^2$) with safety factor $\gamma_s=1.15$



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Client

**Ministry of Environment and
Energy**



Project Title Consultancy Services for Feasibility Study for an Integrated Solid Waste Management System for Zone III (including Greater Malé) and Preparation of Engineering Design of the Regional Waste Management Facility at Thilafushi

Design phase Detailed Design Harbour Rehabilitation

Contents Workshop Building - Structural Plan +3.00

Scale 1 : 50

Drawing No. 4.2.4

Paper

A3